AMENDMENTS TO THE CLAIMS:

The following listing of claims supersedes all prior versions and listings of claims in this application:

1. (Currently Amended) A computer system configured for communications, comprising:

a processor;

a first operating system running on the processor;

a second operating system running on the processor; and

a network interface for communicating data,

wherein the first and second operating systems are arranged to share usage of the network interface;

the network interface operates using a single set of network logical addresses common to both operating systems, [[and]]

a transmission scheduler is arranged to selectively enable the first operating system and the second operating system to transmit data via the network interface;

the first operating system comprises a first proxy driver program, and a network interface driver program for communicating data from the network interface to the first operating system;

the second operating system, instead of a network interface driver program, comprises a second proxy driver program for communicating with the first proxy driver program; and

executable computer program code ~~associated with~~ defining the first operating system is arranged to receive all data incoming ~~data packets~~ through the network interface and to forward to the second operating system ~~those packets which are~~ data not specifically for use by the first operating system or applications running thereon via the first and second proxy driver programs.

2. (Previously Presented) A system according to claim 1 or 21, in which the first operating system is a real time operating system.

3. (Previously Presented) A system according to claim 1 or 21, in which the second operating system is a general purpose operating system.

4-5. (Cancelled)

6. (Previously Presented) A system according to claim 21, in which the transmission scheduler is arranged to give priority to the first operating system.

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7. (Previously Presented) A system according to claim 21, in which the transmission scheduler is arranged not to send any packets from the second operating system while there are packets for transmission from the first operating system.

8. (Previously Presented) A system according to claim 1 or 21, which is arranged to communicate using Internet protocols.

9-10. (Cancelled)

11. (Previously Presented) A system according to claim 1 or 21, in which said first and second operating systems both operate on a single processor.

12. (Previously Presented) A system according to claim 11, comprising an inter-operating system communications channel for carrying messages between said first and second operating systems, and/or applications running thereon.

13. (Previously Presented) A system according to claim 1 or 21, in which the first operating system has a first subset of address ports and the second operating system has a second subset of address ports, each said subset comprising at least one address port, said first and second subsets being mutually exclusive.

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14. (Cancelled)

15. (Currently Amended) A system according to claim 1 ~~or 3~~, comprising code for providing a real time data transmission channel for communicating data and associated control and/or supervisory signals, in which the code comprises:

first code operating under said first operating system for communicating said data; and

second code operating under said second operating system for communicating said control and/or supervisory signals.

16. (Original) A system according to claim 15, in which the first operating system is arranged to use a UDP/IP protocol stack to communicate said data.

17. (Currently Amended) The system of claim 15[[,]] or 16 [[or 22]] implementing a voice-over-Internet communications system[[,]].

18. (Currently Amended) A method of providing network access to a computer, said method comprising:

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providing first and second operating systems on the computer, operating

concurrently, while sharing a network address and allowing said operating systems to

share access to a network interface of said computer;

receiving all incoming data packets by the first operating system; and

forwarding to the second operating system those packets which are not

specifically for use by the ~~second~~ <u>first</u> operating system or applications running thereon.

19. (Previously Presented) Computer-readable tangible storage media storing

executable code for causing a computer to perform the method of claim 18 or 23.

20. (Cancelled)

21. (Currently Amended) A computer system configured for communications,

comprising:

a processor;

a first operating system running on the processor;

a second operating system running on the processor; and

a network interface for communicating data,

wherein the first and second operating systems are arranged to share usage of

the network interface;

the network interface operates using a single set of network addresses common to both operating systems, ~~and~~

a transmission scheduler arranged to selectively enable the first operating system and the second operating system to transmit data via the network interface;

the first operating system comprises a first proxy driver program, and a network interface driver program for communicating data from the first operating system to the network interface;

the second operating system, instead of a network interface driver program, comprises a second proxy driver program for communicating with the first proxy driver program; and

the first operating system comprises [[a]] the transmission scheduler arranged to selectively forward outgoing data ~~packets~~ from the first and second operating systems for transmission through the network interface data from the second operating system being forwarded via the first and second proxy driver programs.

22. (Previously Presented) A system according to claim 15 or 16, in which the second operating system comprises a TCP/IP protocol stack.

23. (Currently Amended) A method of providing network access to a computer, said method comprising:

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providing first and second operating systems on the computer, operating

concurrently, and sharing a network address while allowing said operating systems to

share access to a network interface of said computer, ~~and~~

~~the first operating system selectively forwarding outgoing data packets from the~~

~~first and second operating systems for transmission through the network interface~~ <u>the</u>

<u>first operating system comprising a first proxy driver program, and a network interface</u>

<u>driver program for communicating data from the first operating system to the network</u>

<u>interface; the second operating system, instead of a network interface driver program,</u>

<u>comprising a second proxy driver program for communicating with the first proxy driver</u>

<u>program; and</u>

<u>receiving all incoming network data packets at the network interface of the first</u>

<u>operating system which then selectively forwards to the second operating system</u>

<u>incoming data packets not specifically for use by the first operating system; and</u>

<u>selectively enabling the first operating system and the second operating system</u>

<u>to transmit outgoing data via the network interface of the first operating system.</u>

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